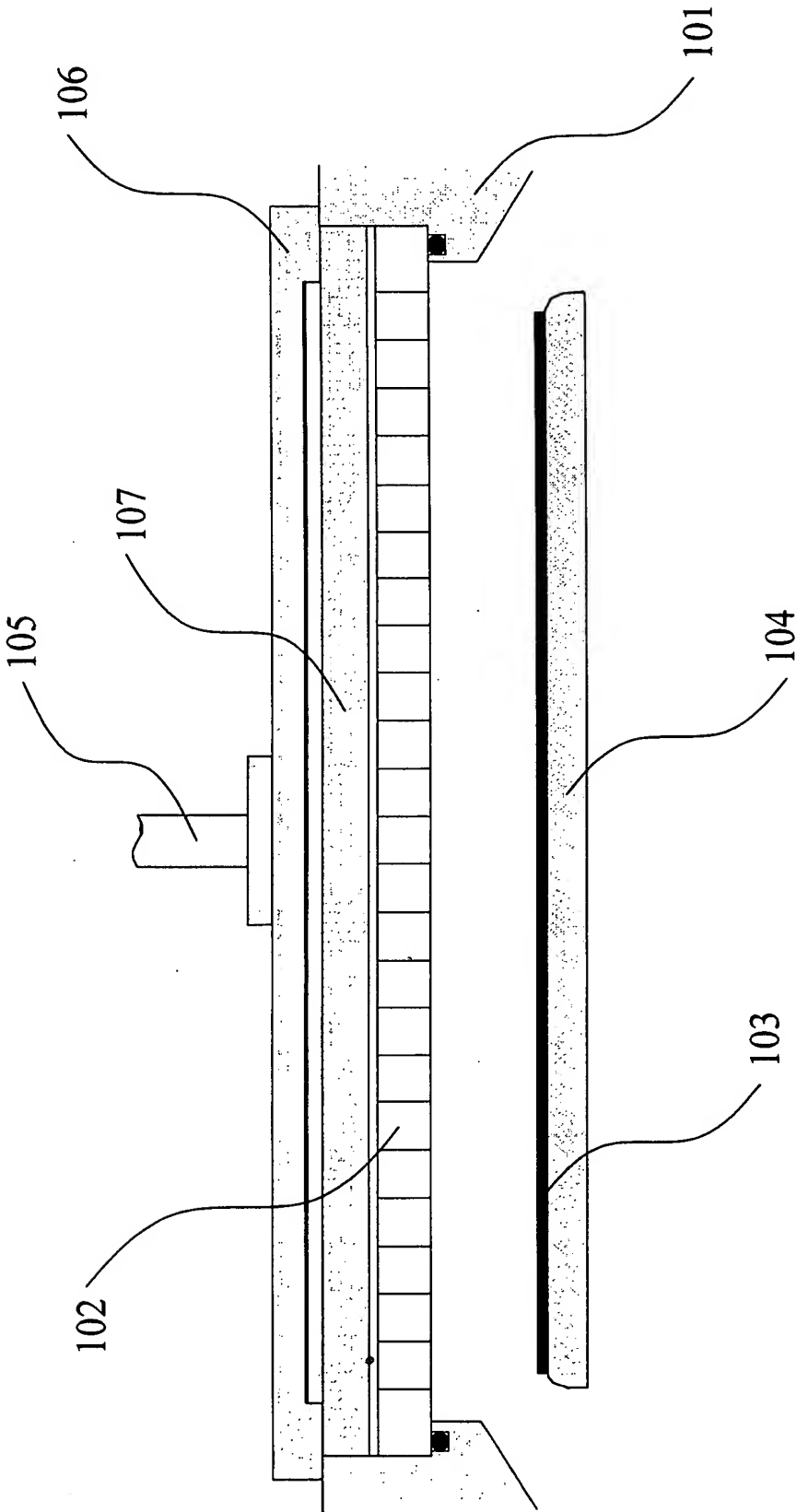


FIG. 1



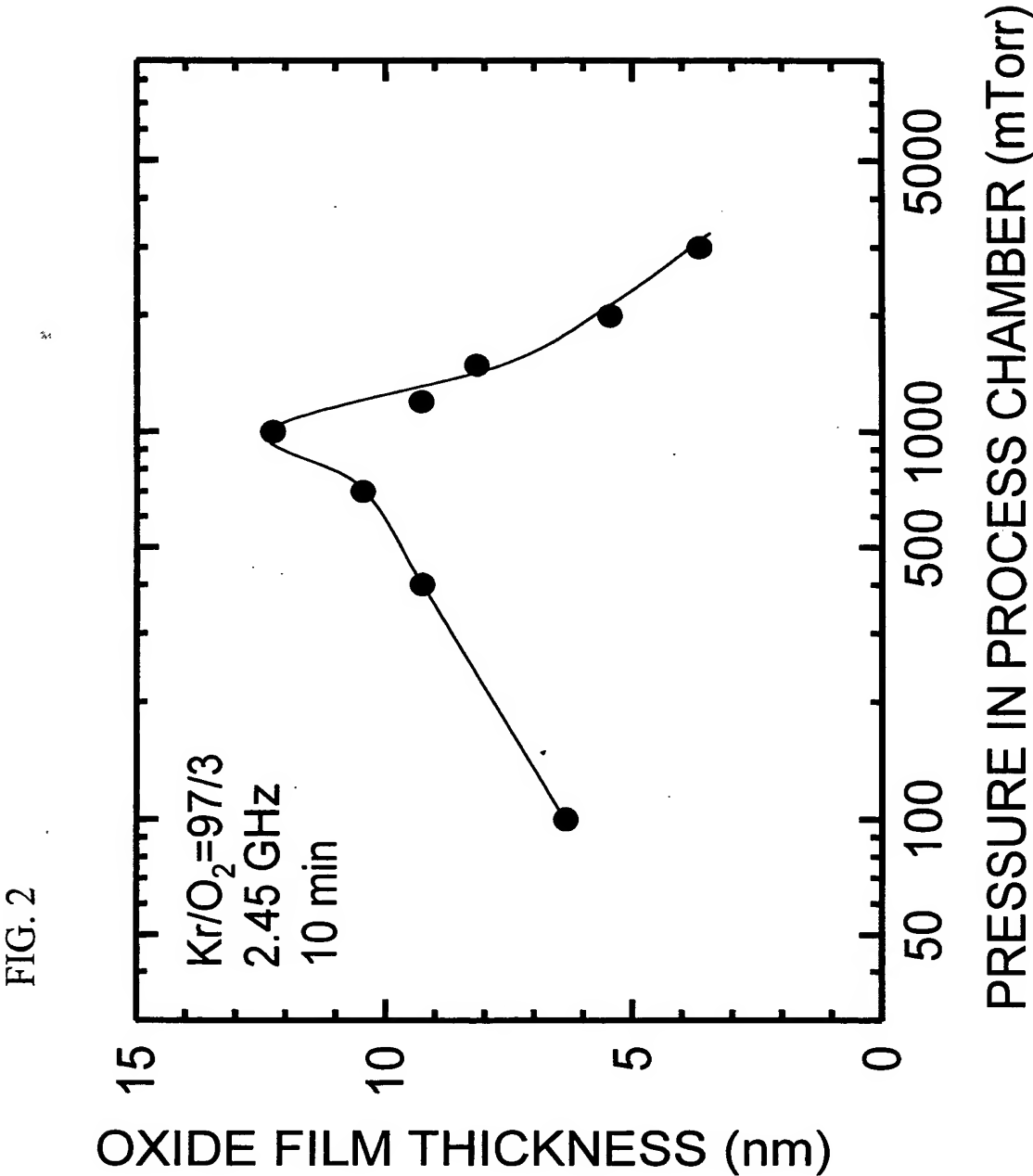
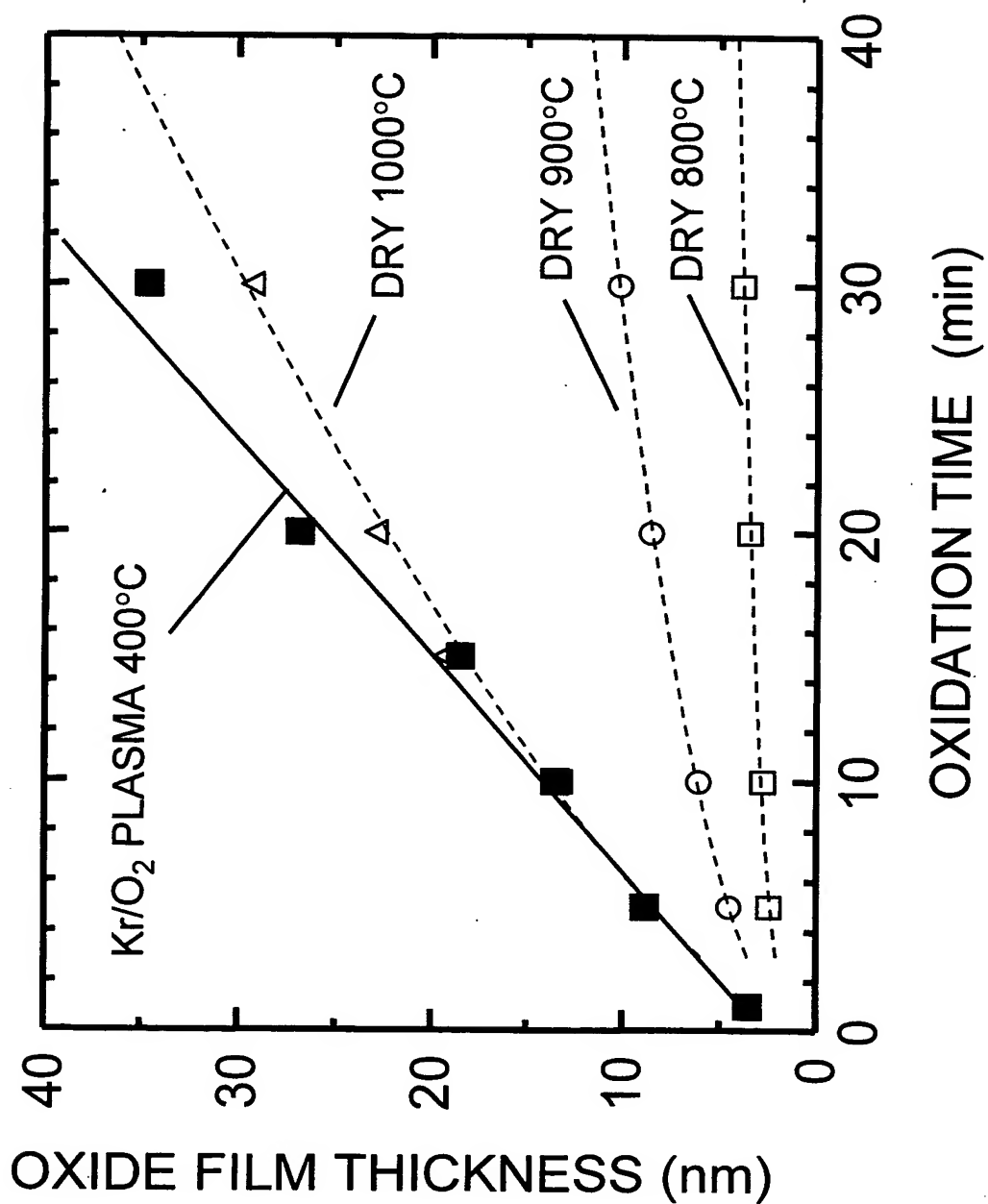
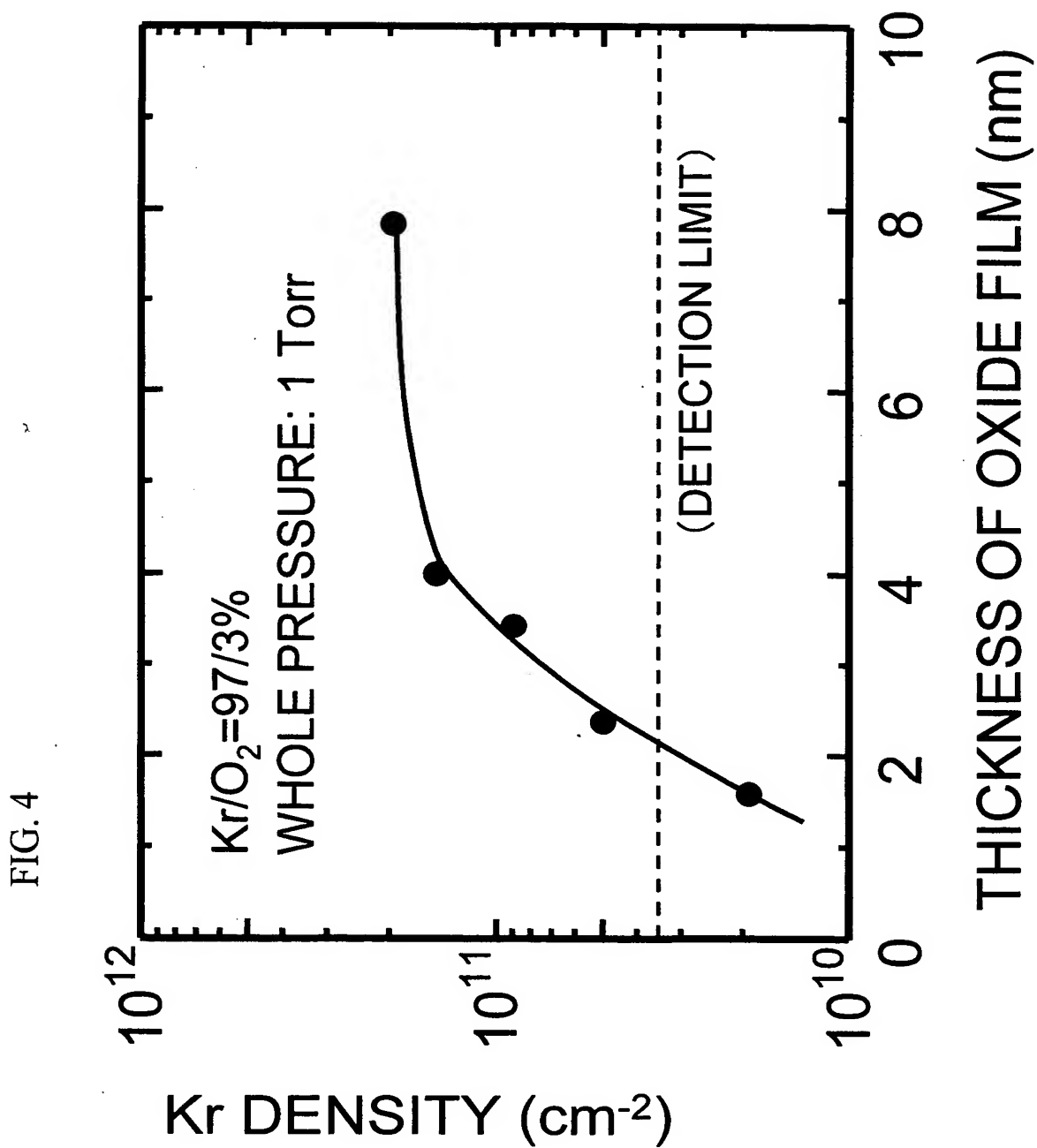
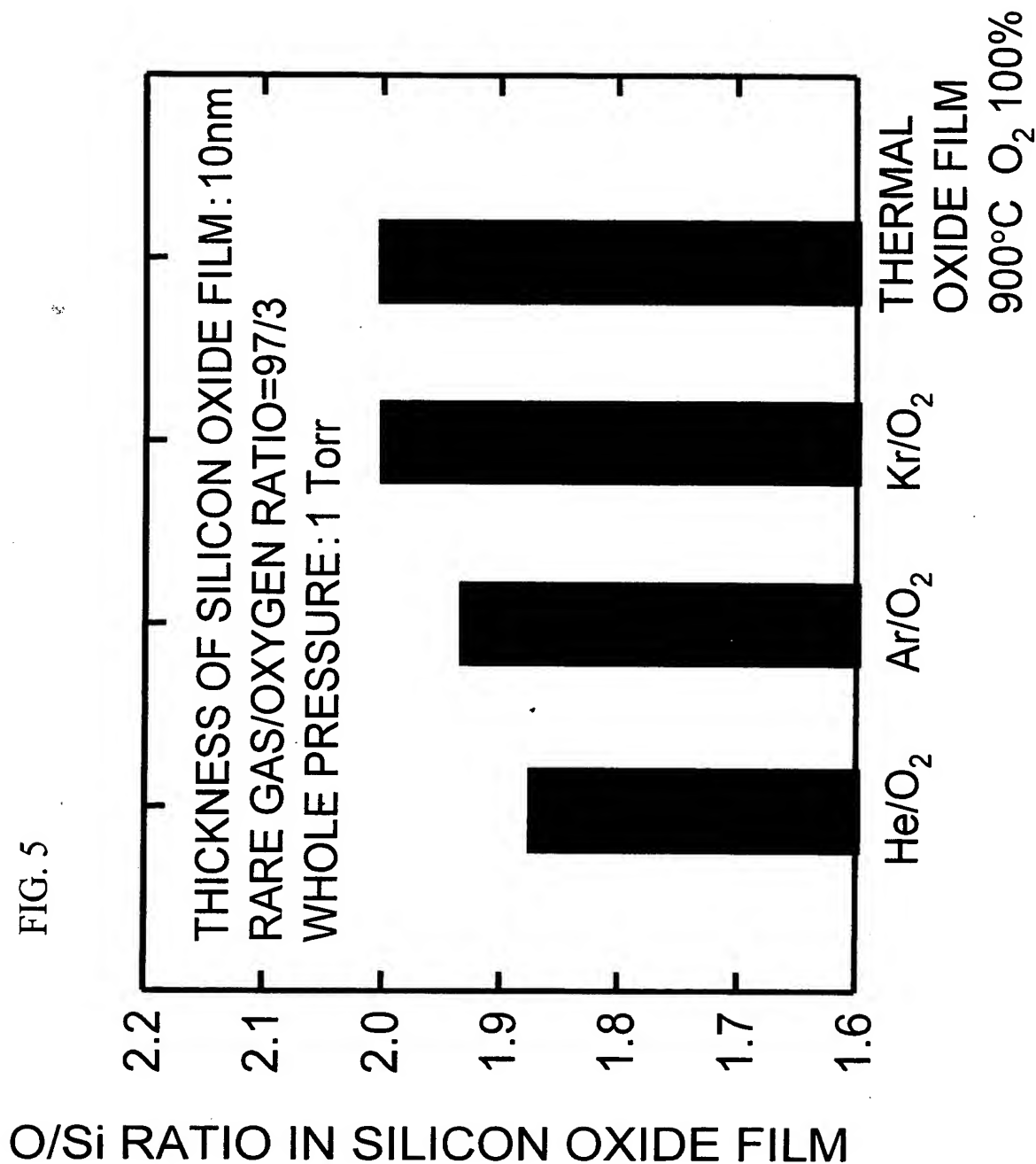


FIG. 3







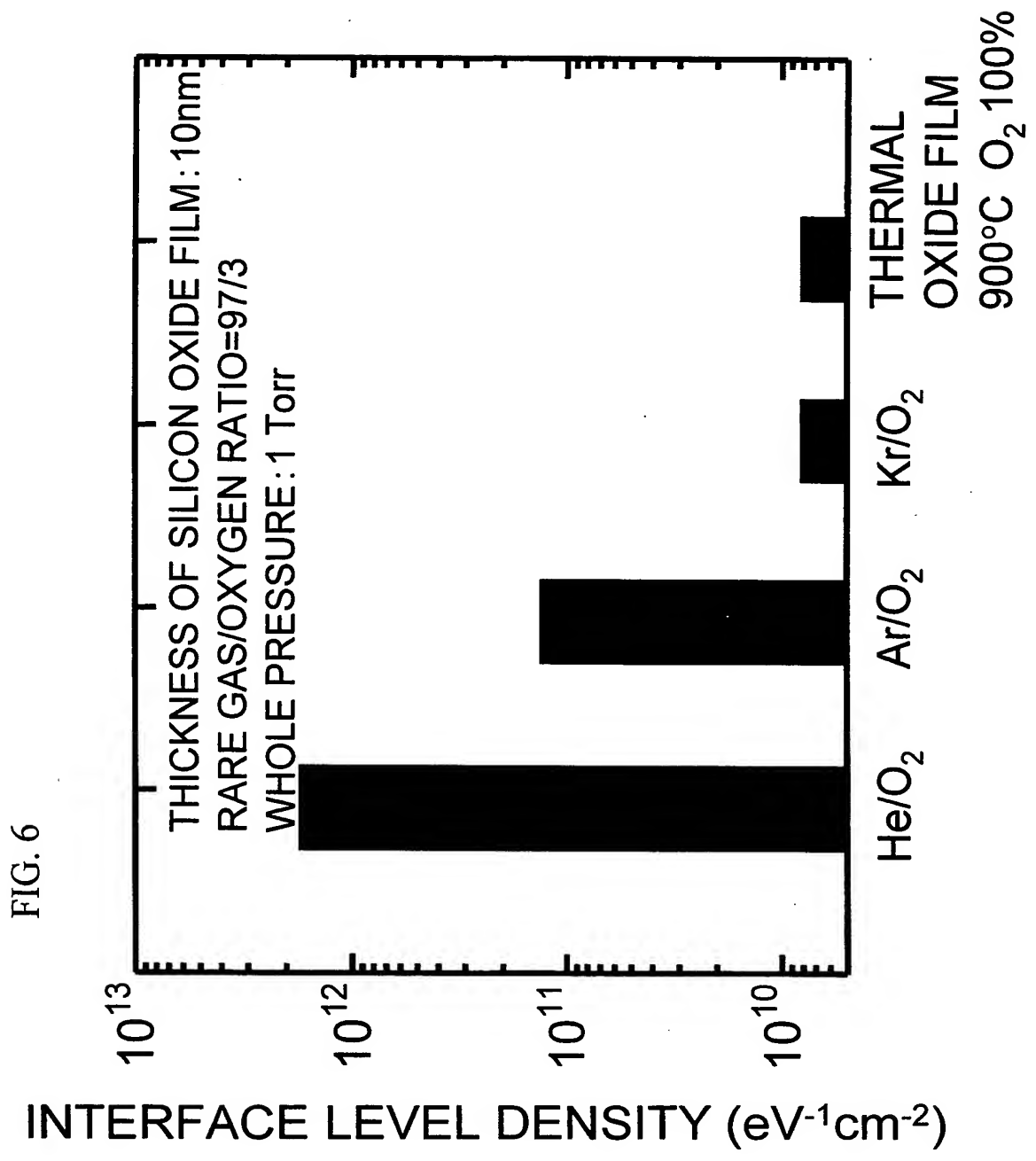


FIG. 7

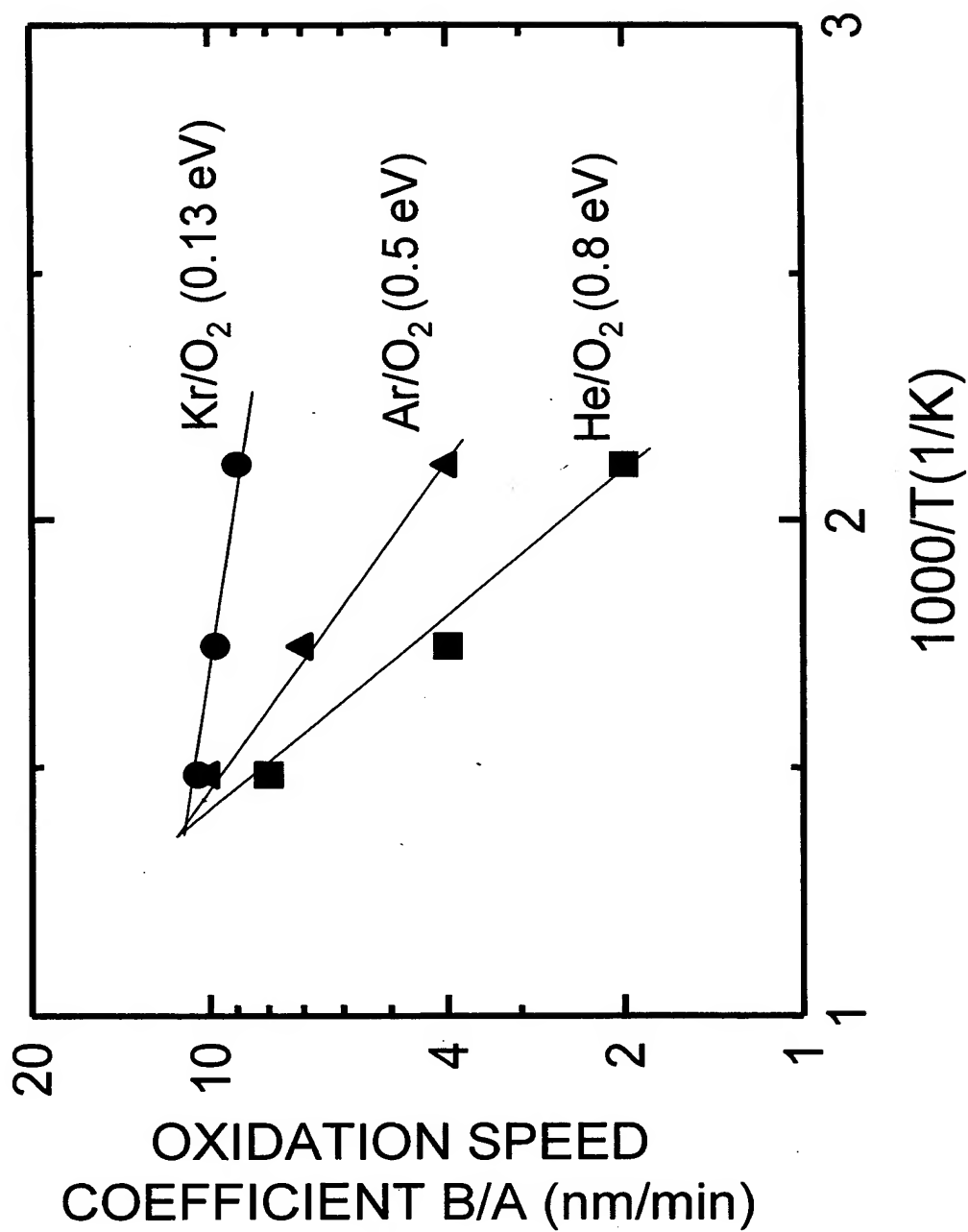
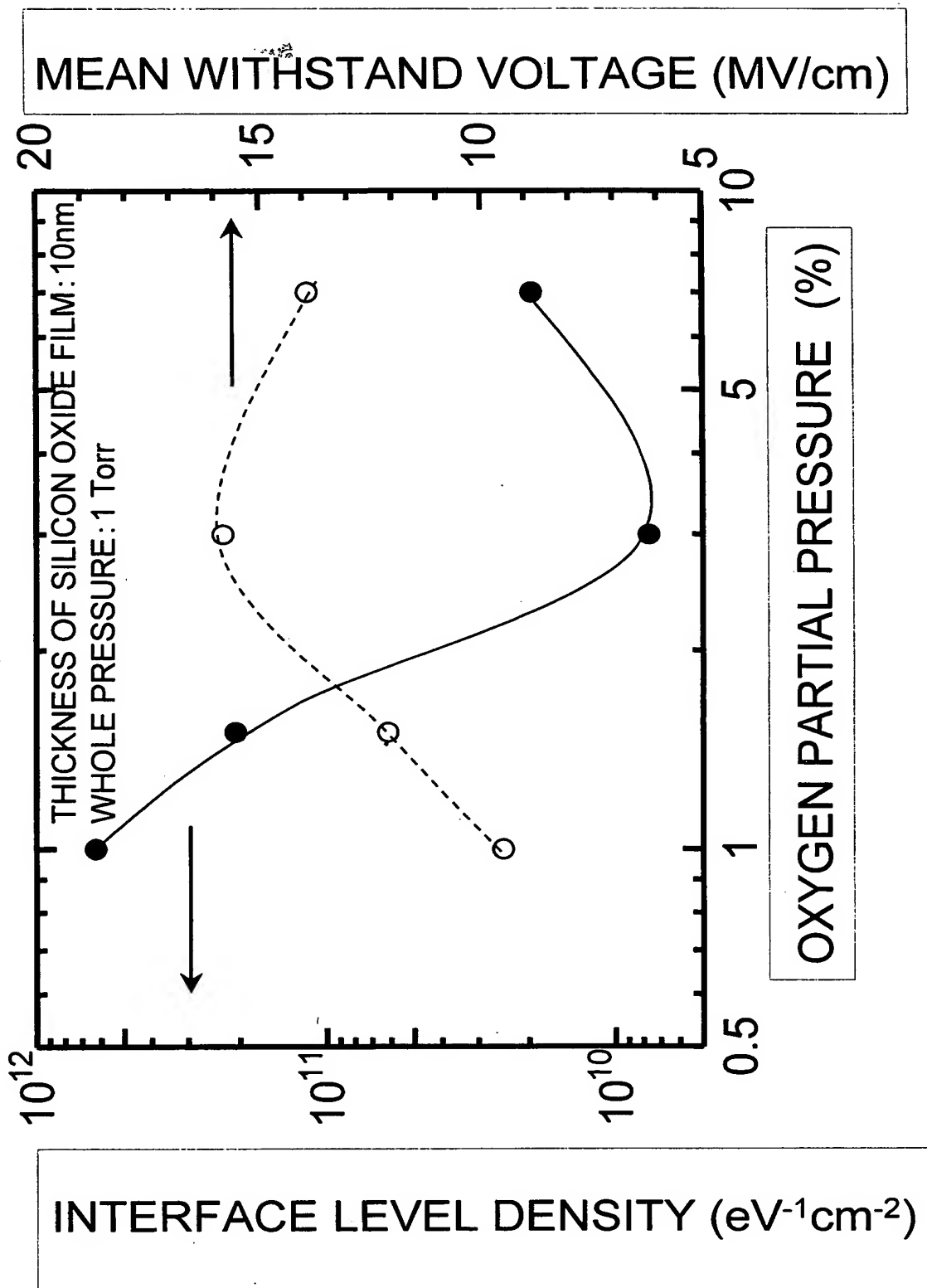


FIG. 8





9 / 30

FIG. 9

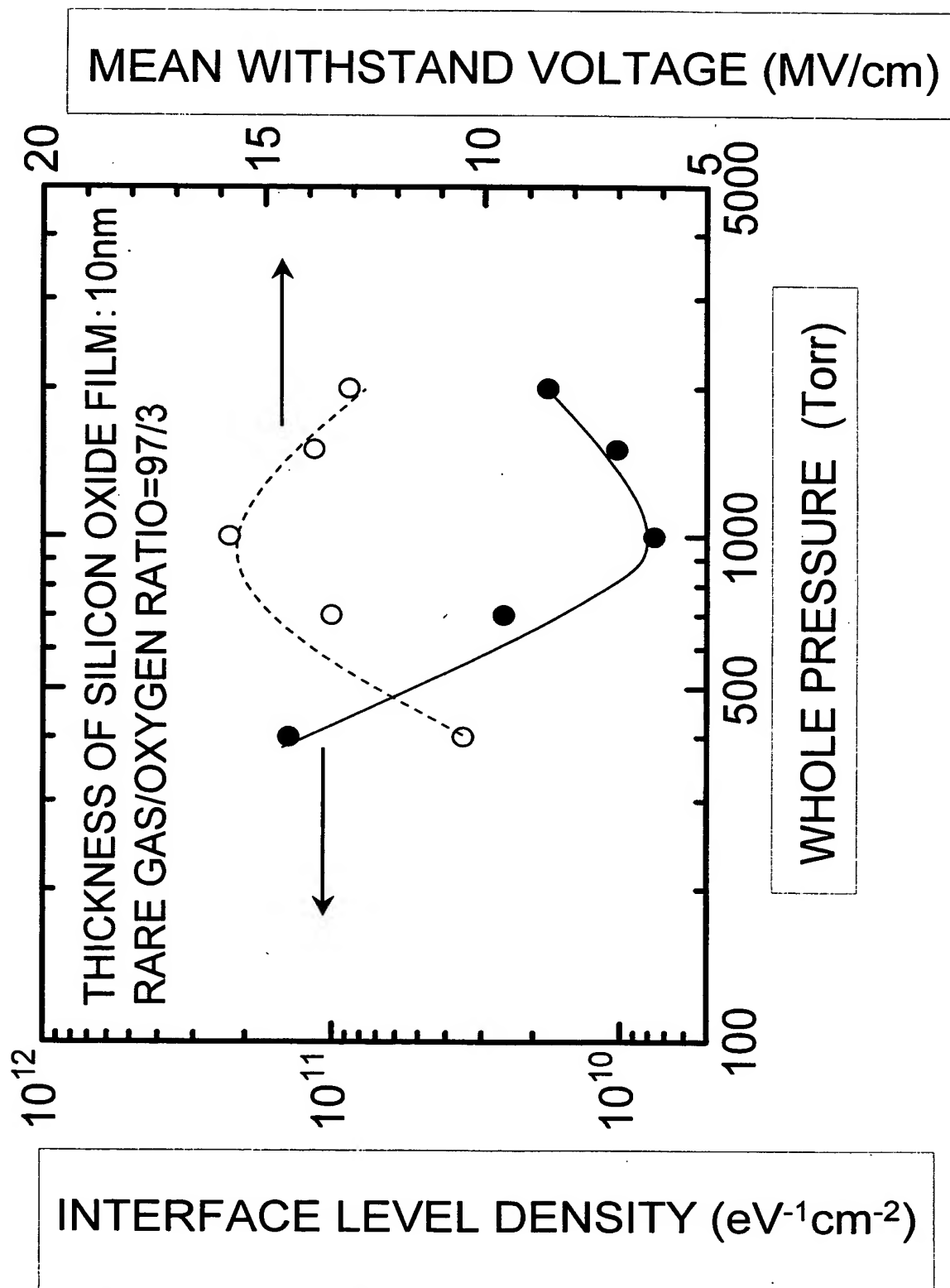


FIG. 10

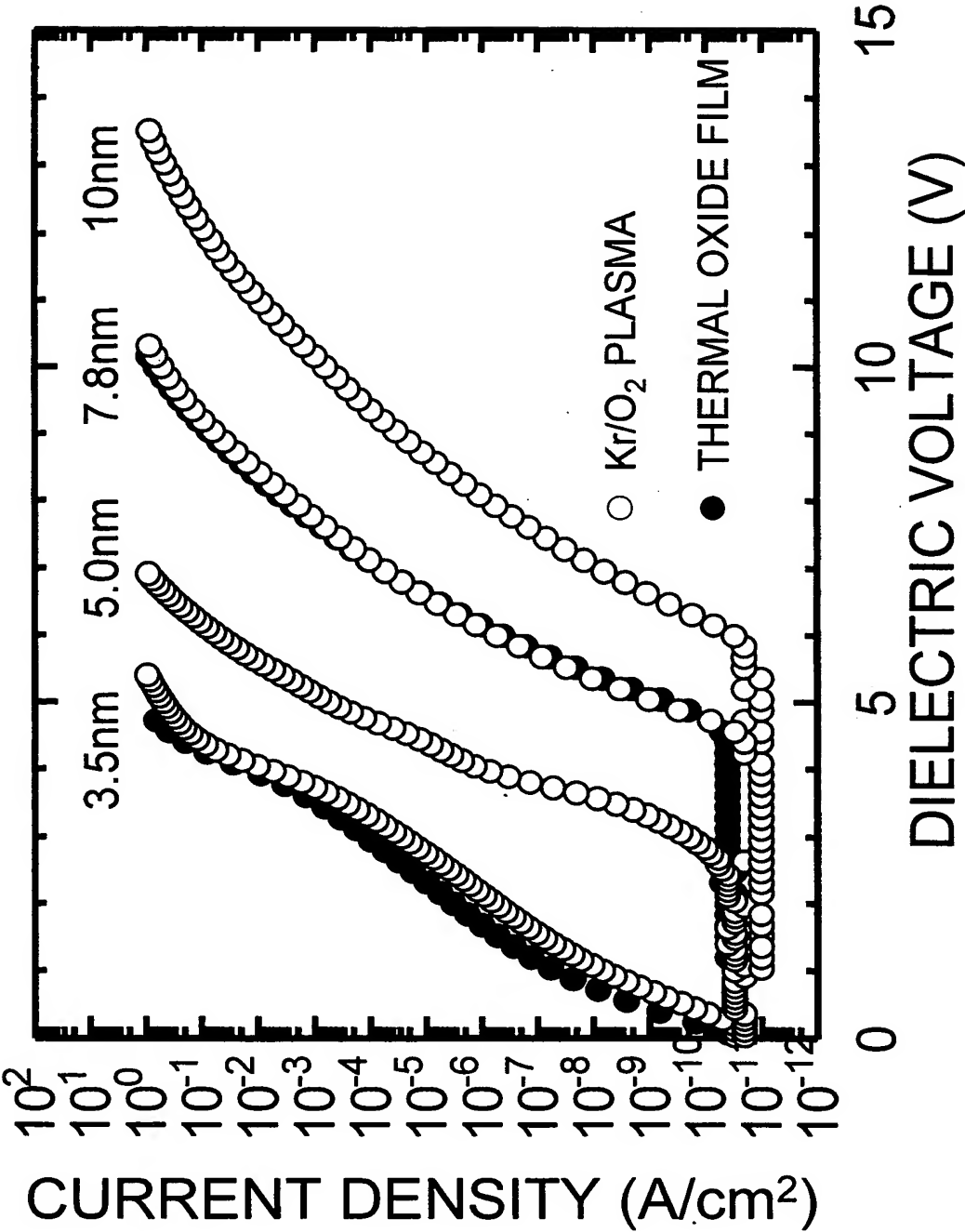
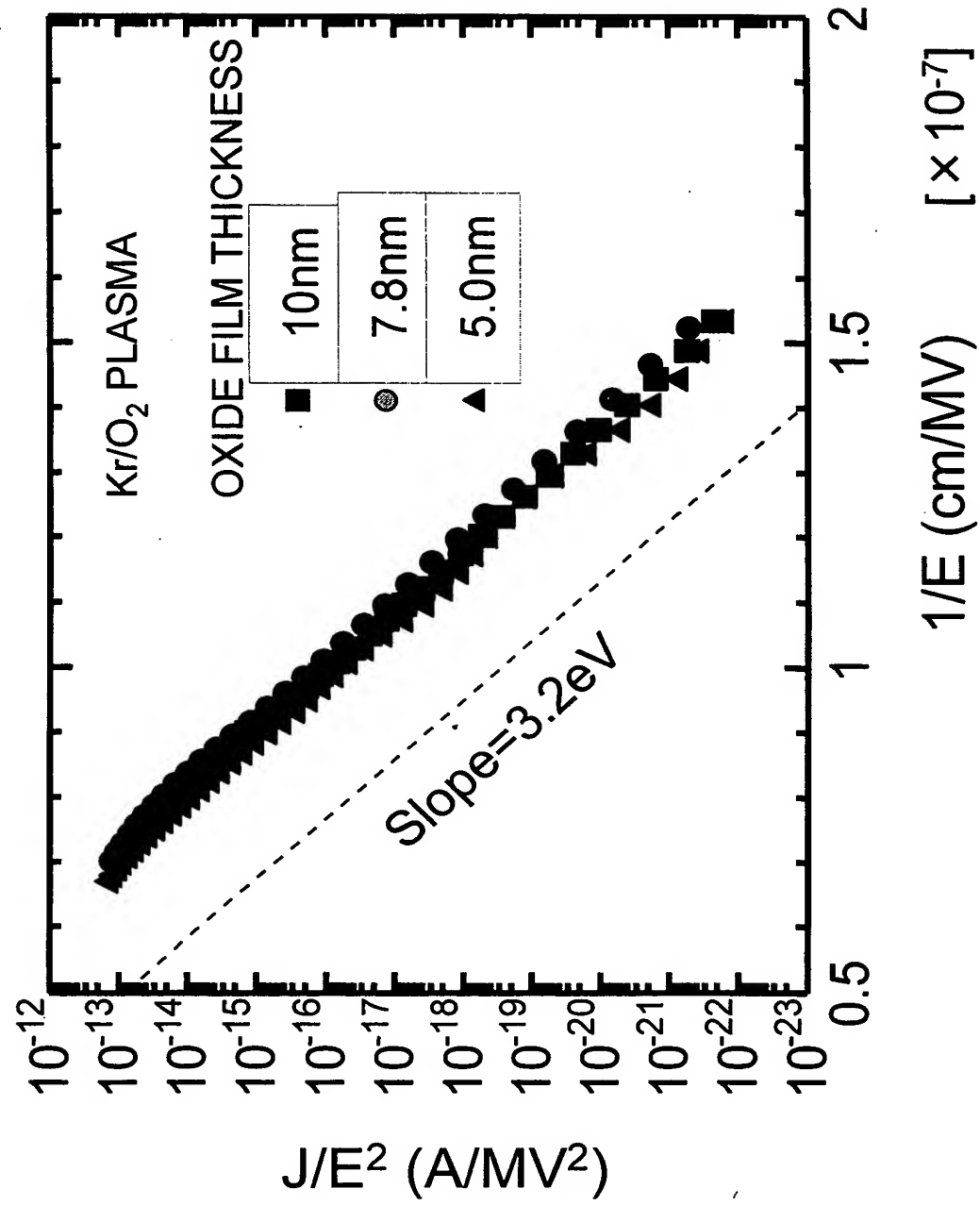


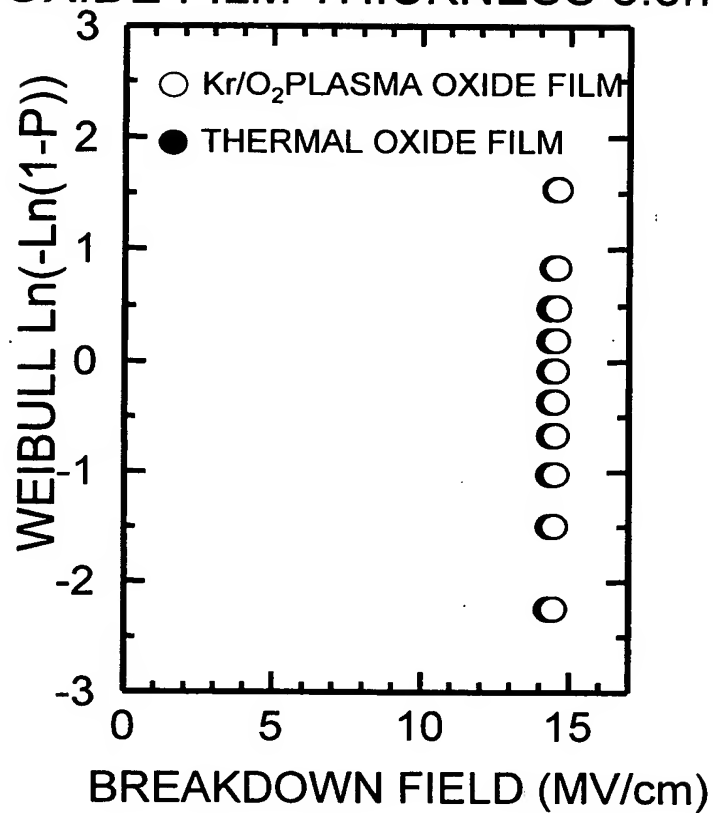
FIG. 11



12 / 30

OXIDE FILM THICKNESS 3.5nm

FIG. 12A



OXIDE FILM THICKNESS 5.0nm

FIG. 12B

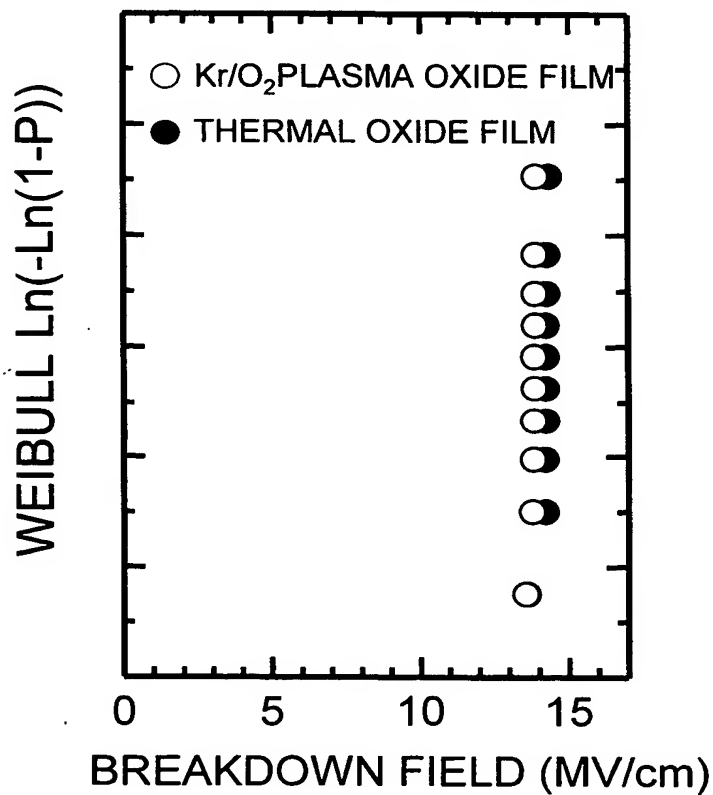


FIG. 12C

OXIDE FILM THICKNESS 7.8nm

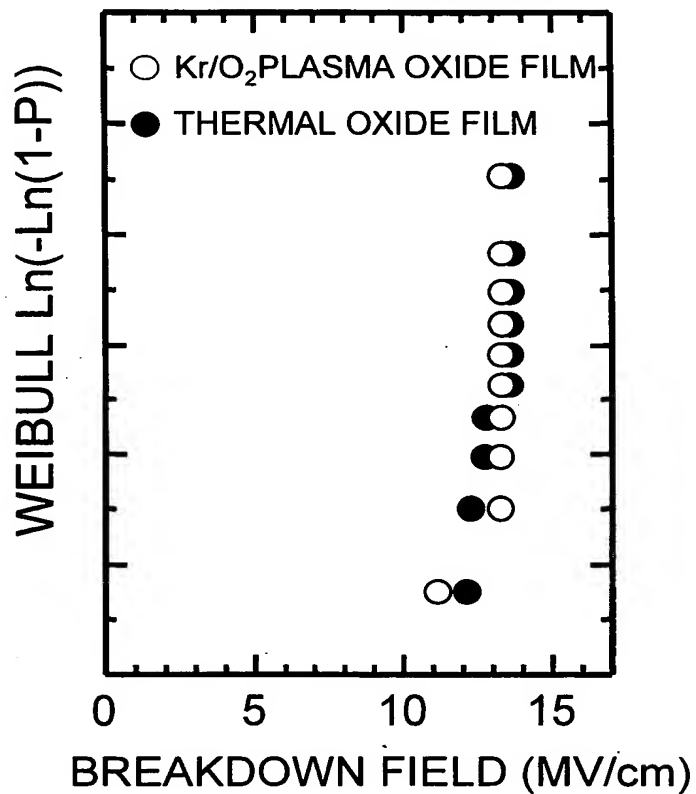


FIG. 13

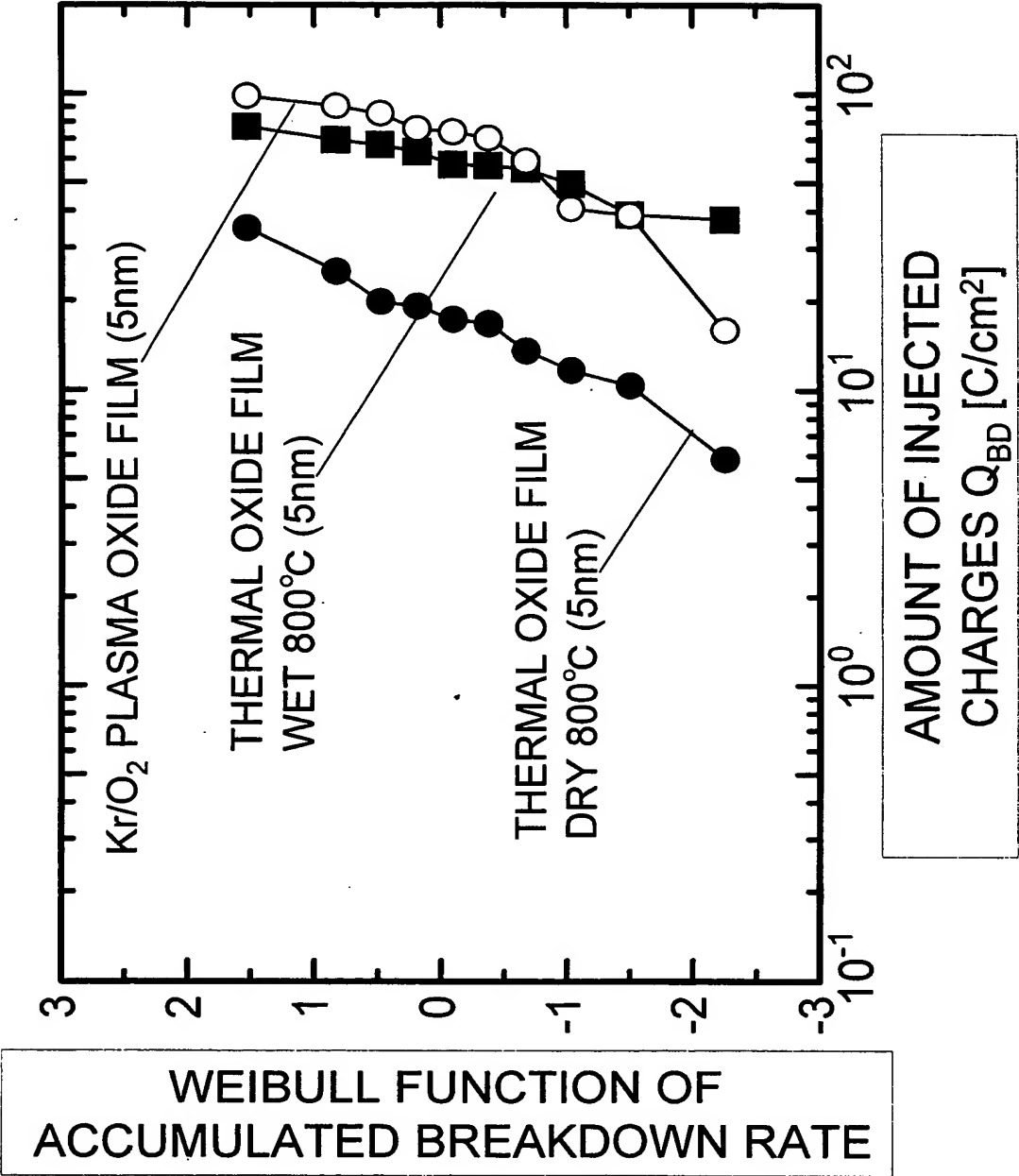


FIG. 14

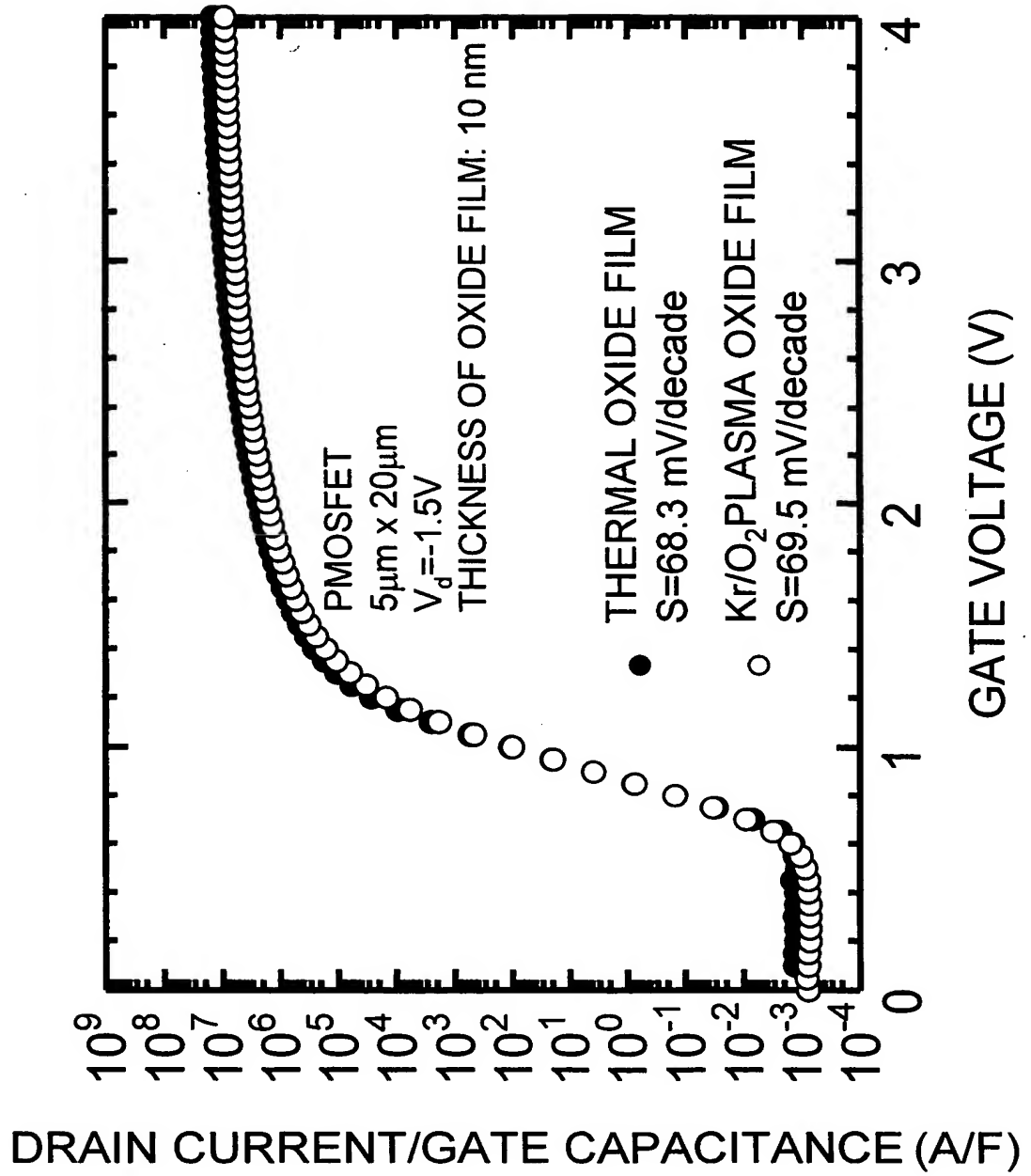


FIG. 15

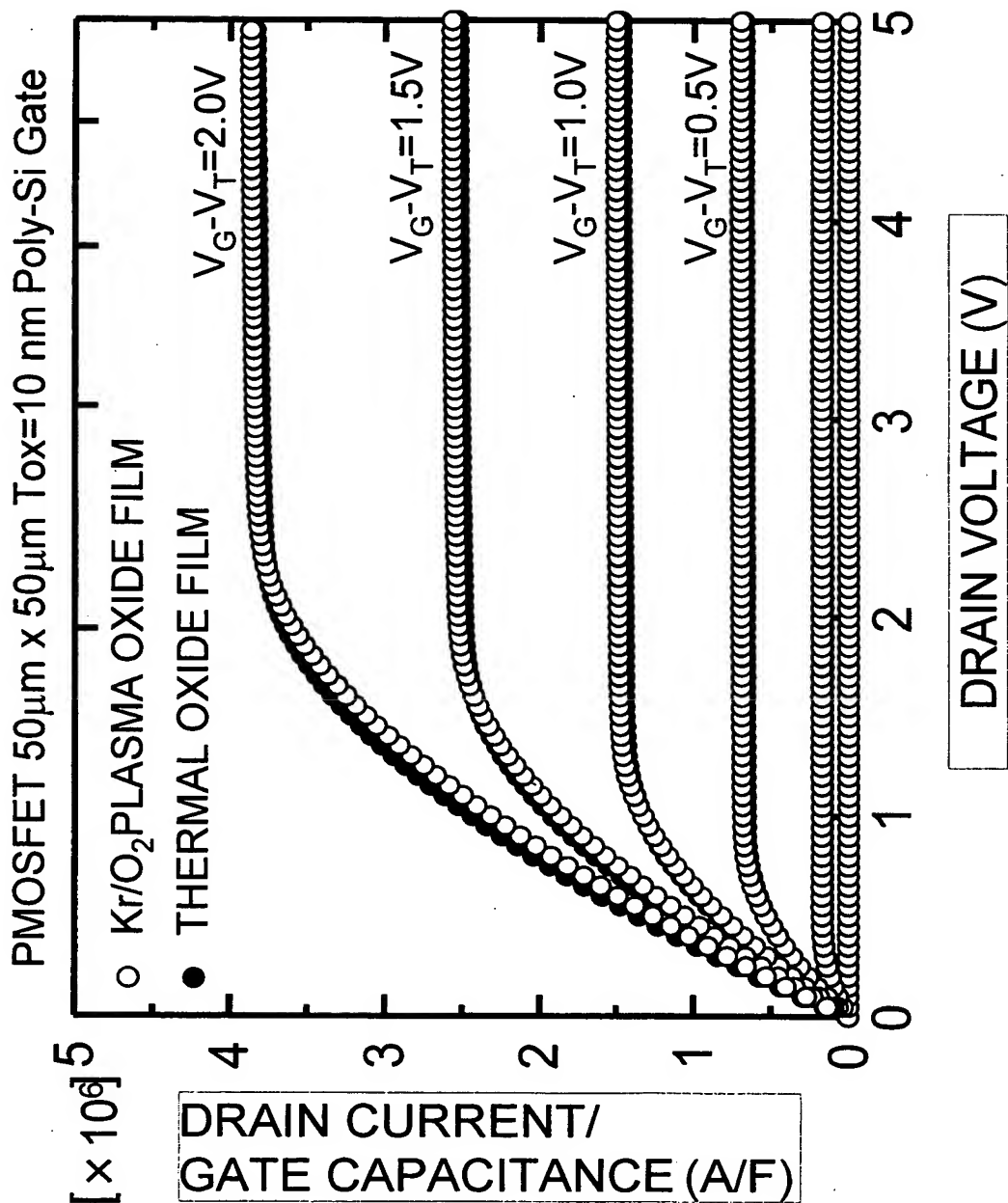




FIG. 16A

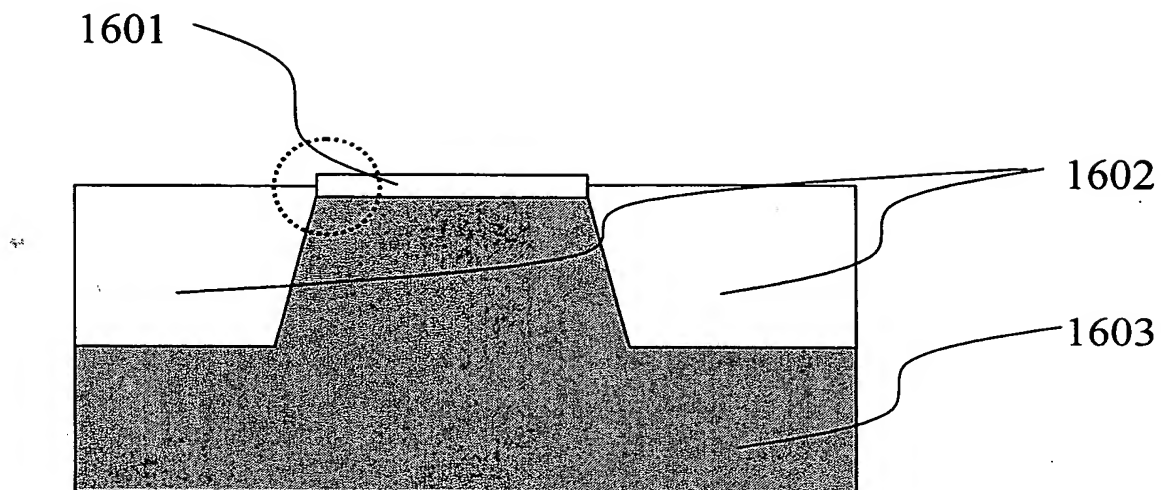


FIG. 16B

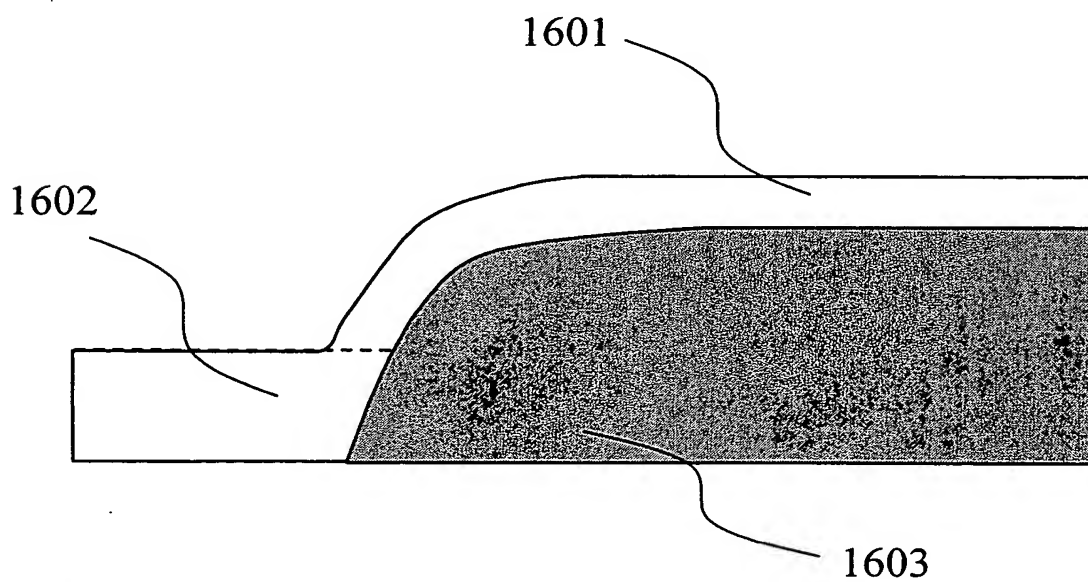


FIG. 17A

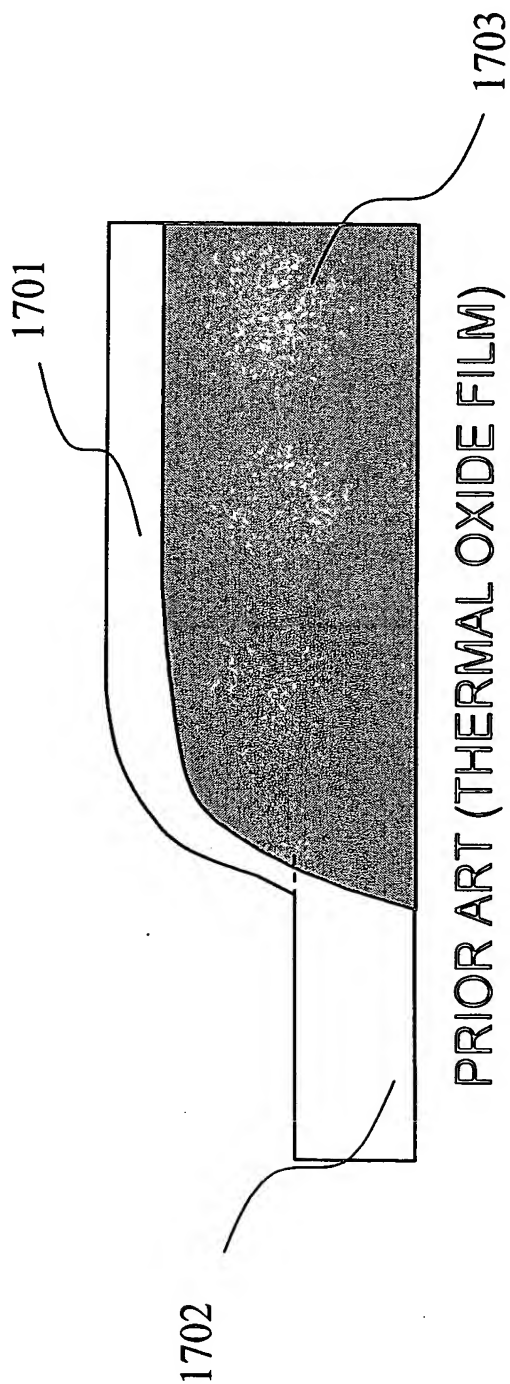


FIG. 17B

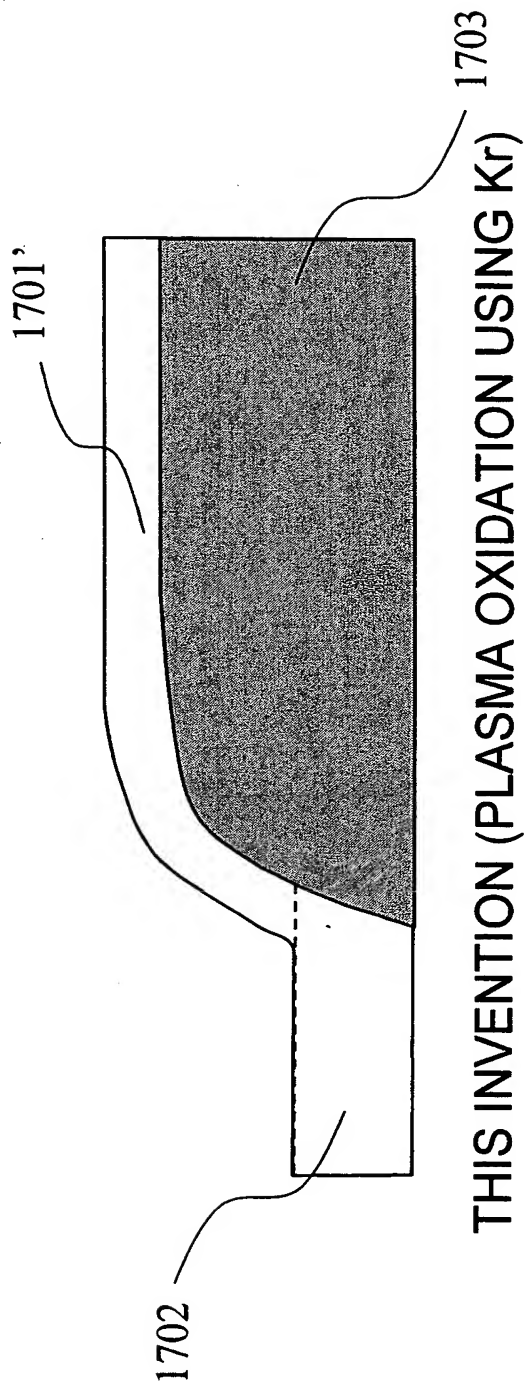


FIG. 18

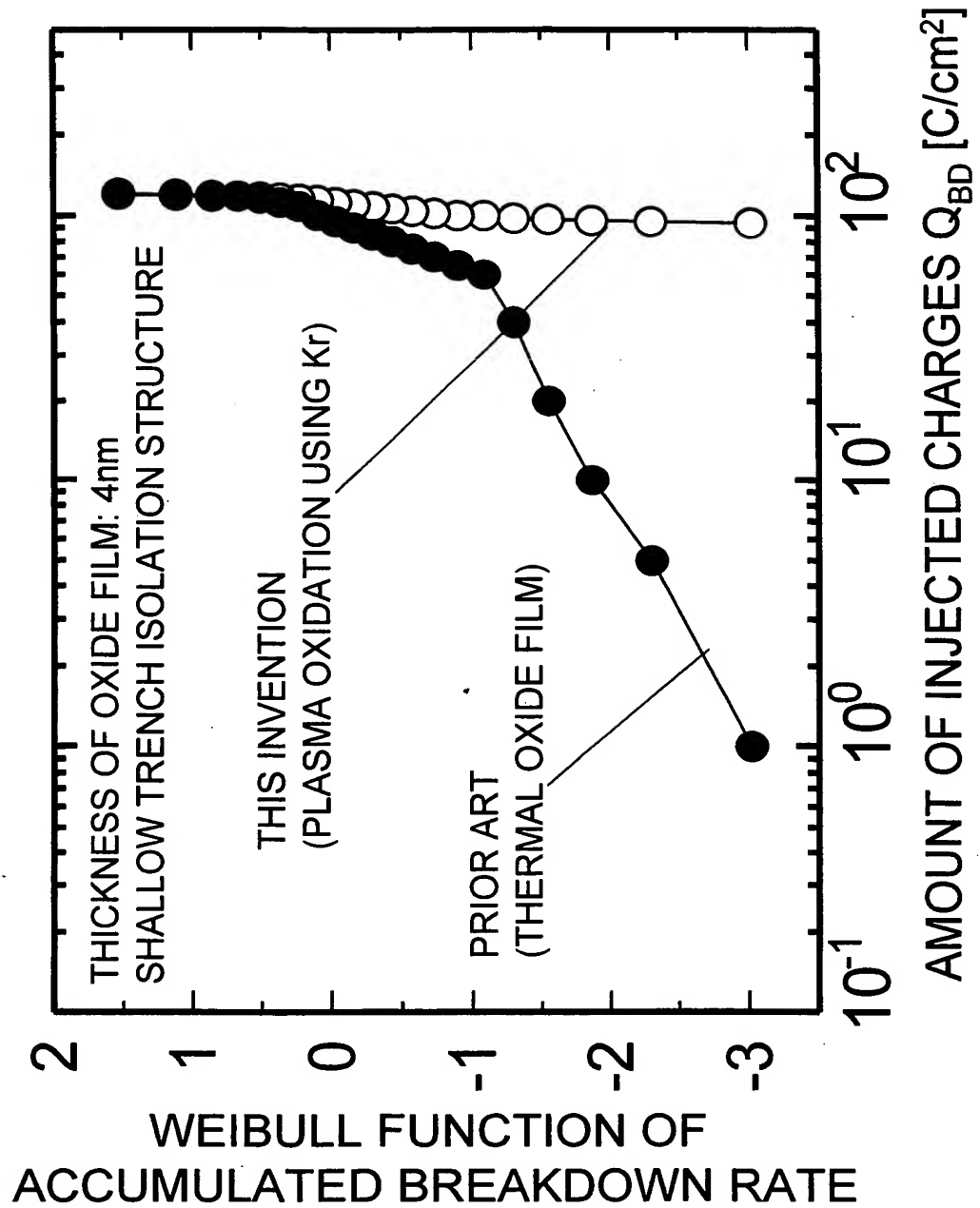
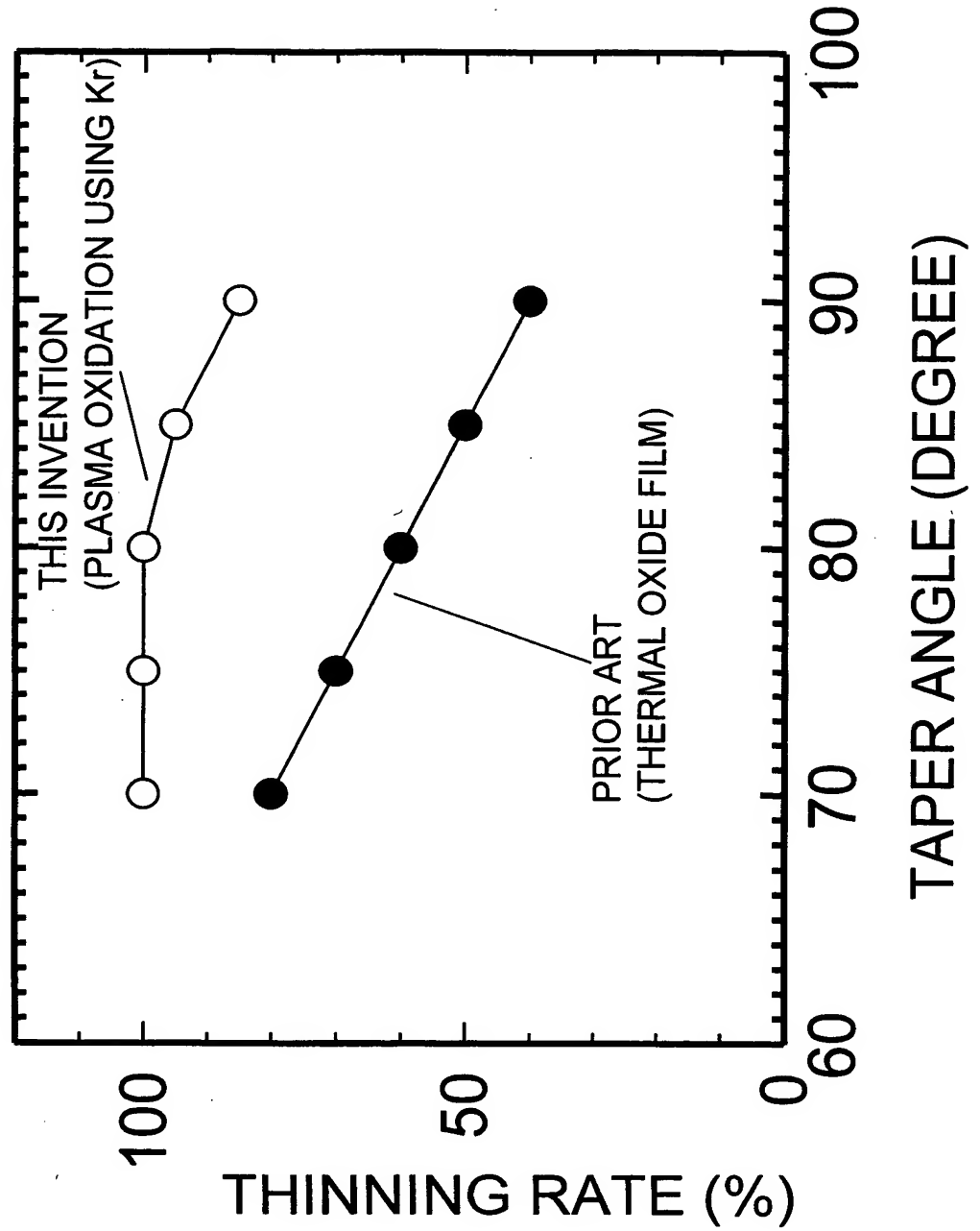


FIG. 19



22 / 30

FIG. 20

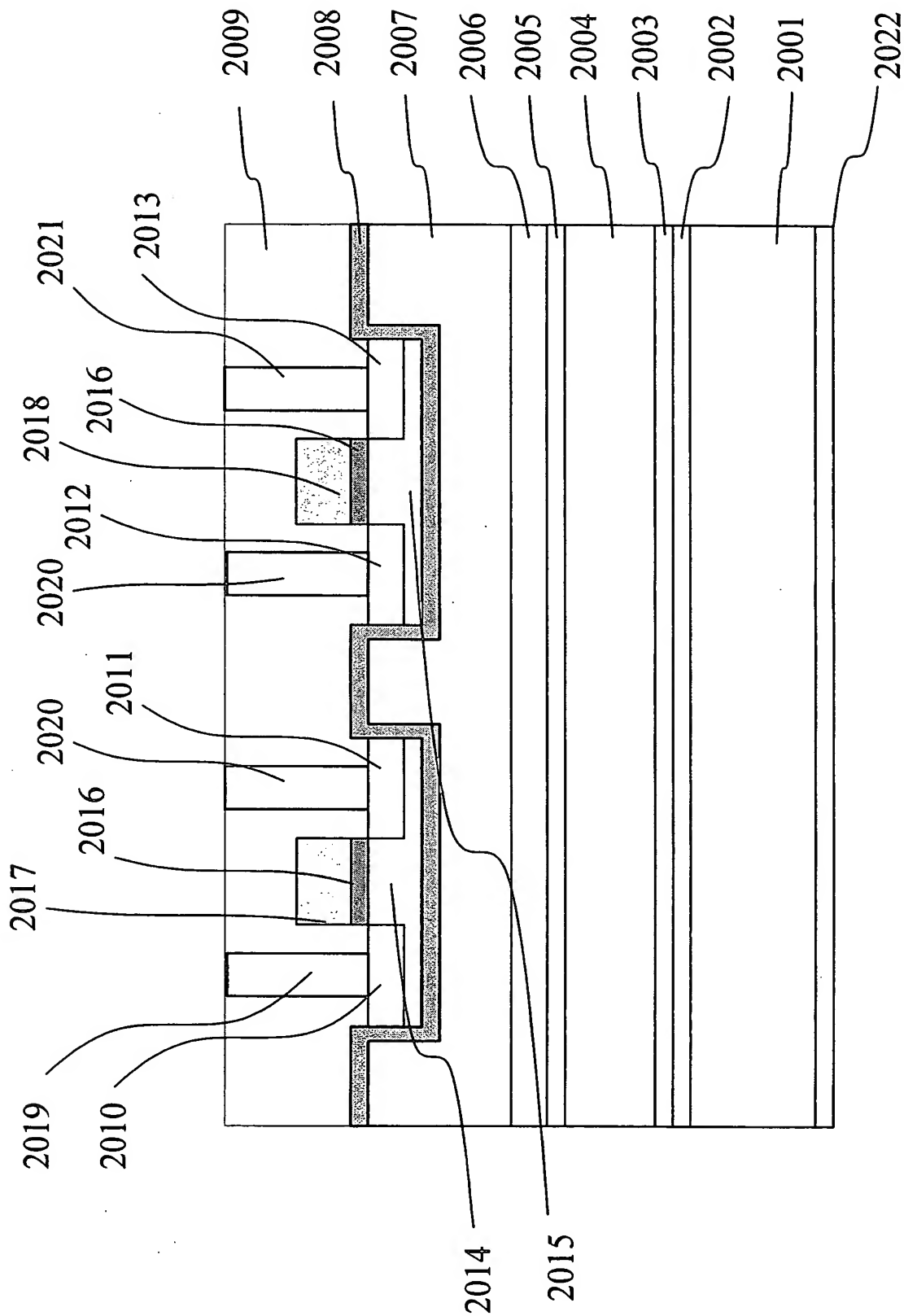


FIG. 21

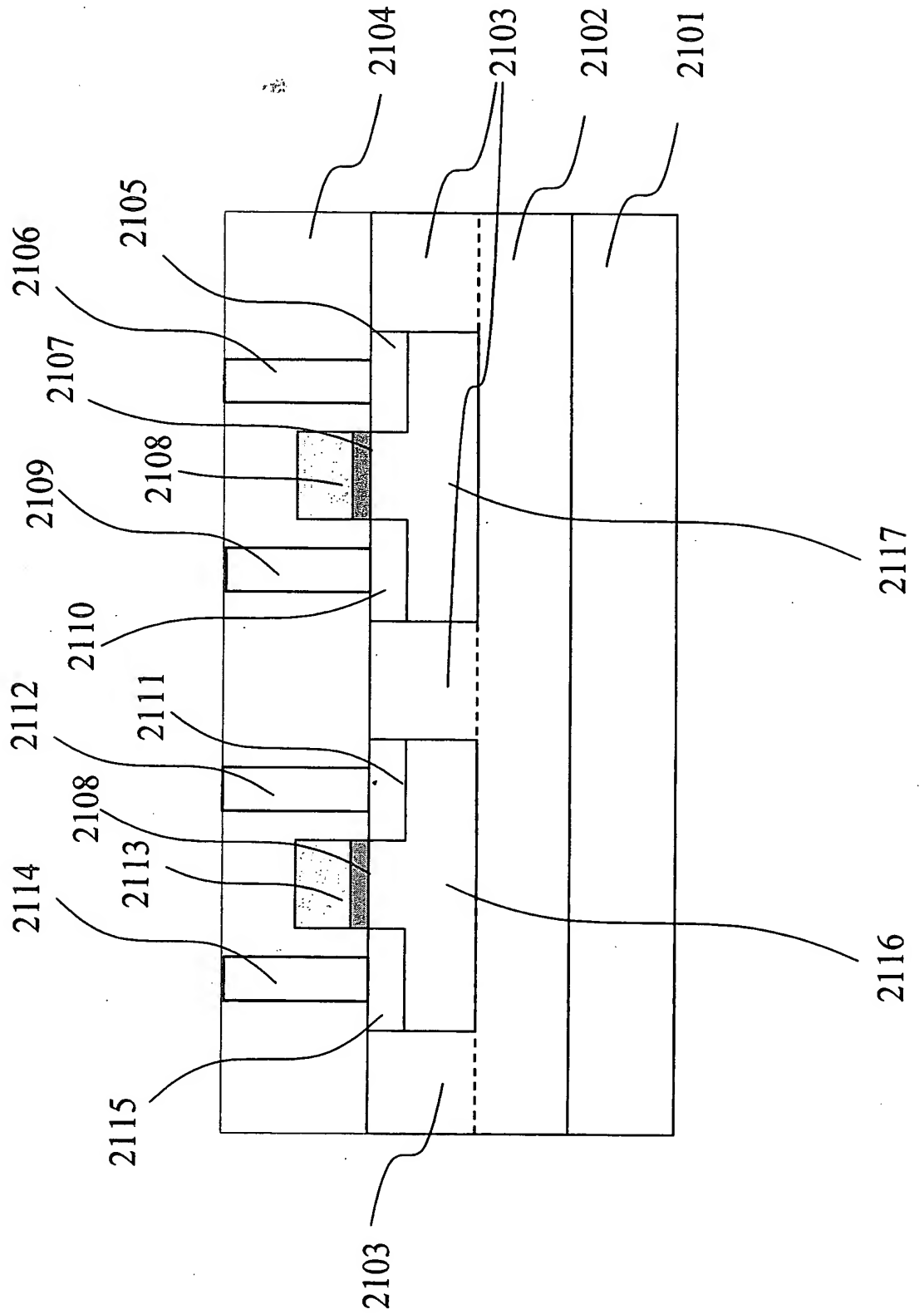


FIG. 22

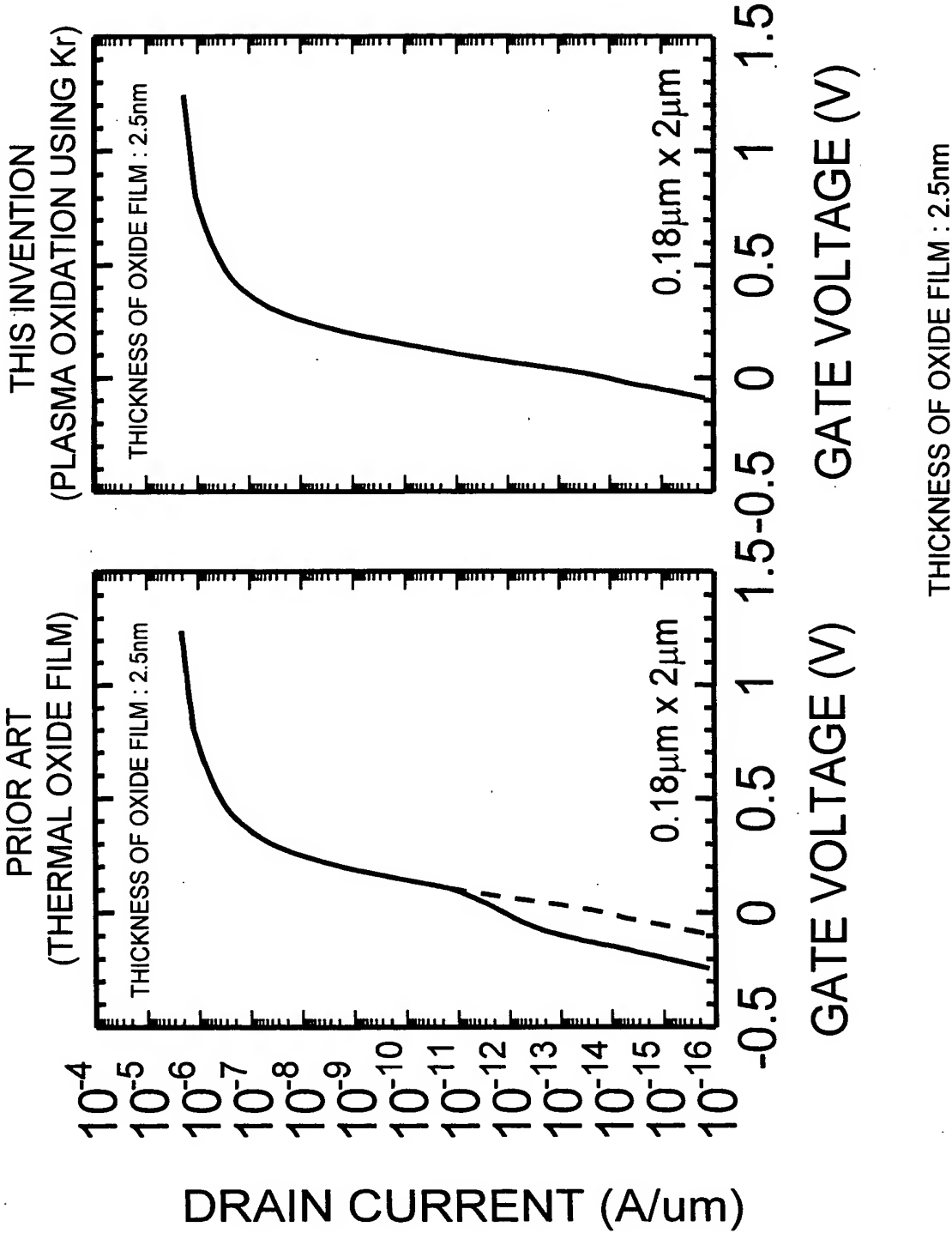




FIG. 23

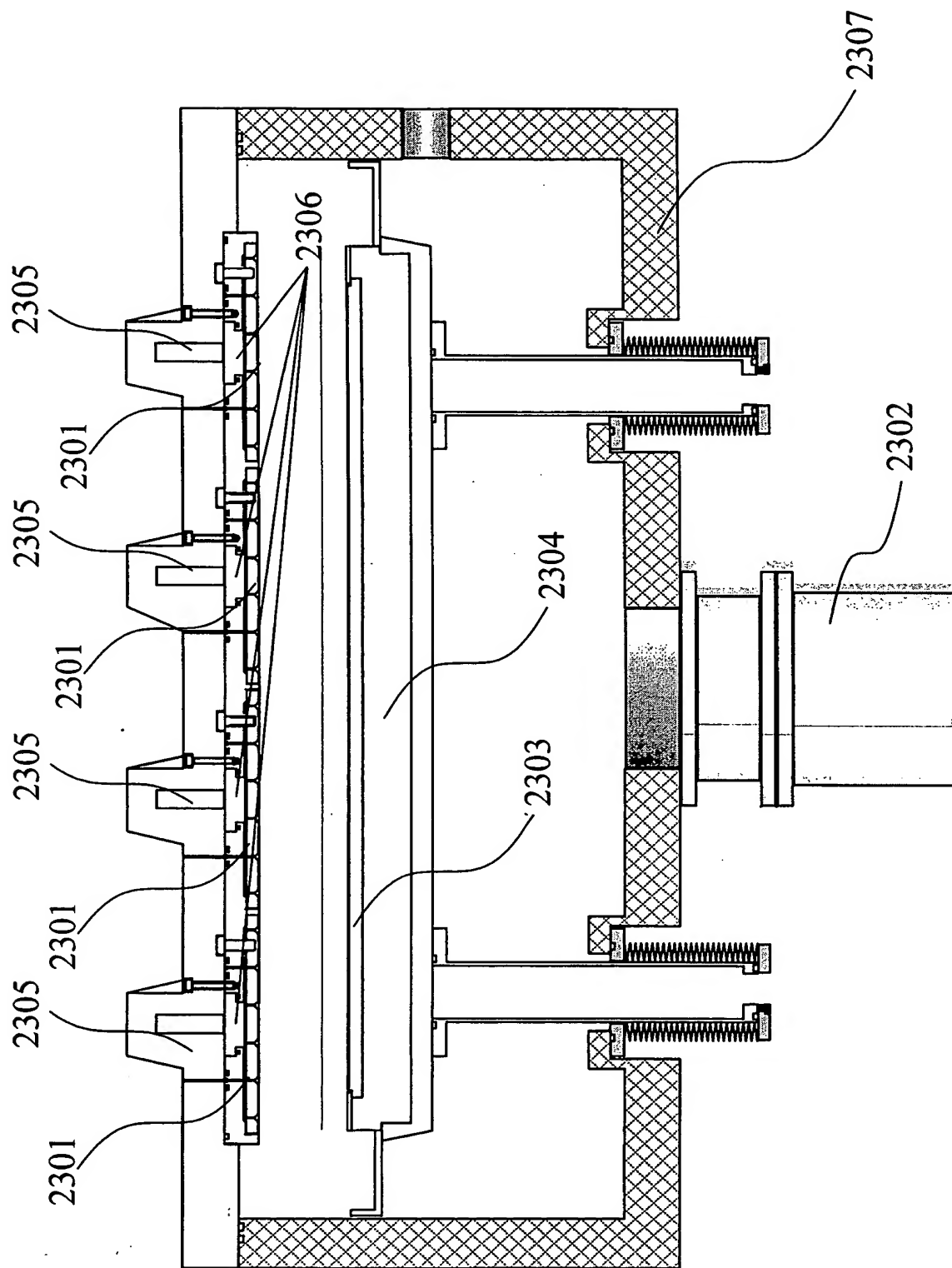
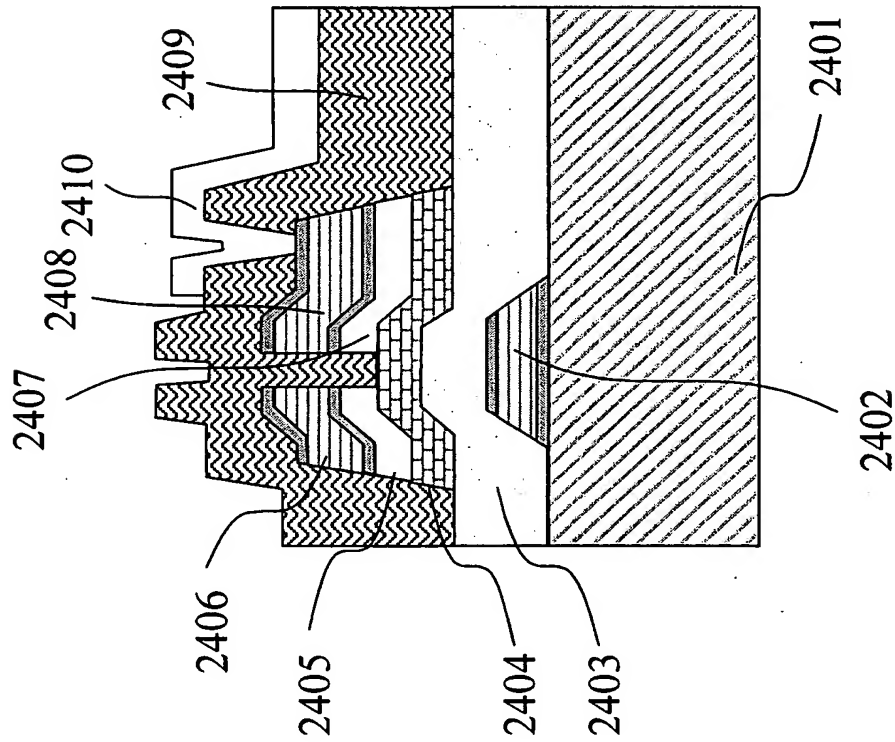
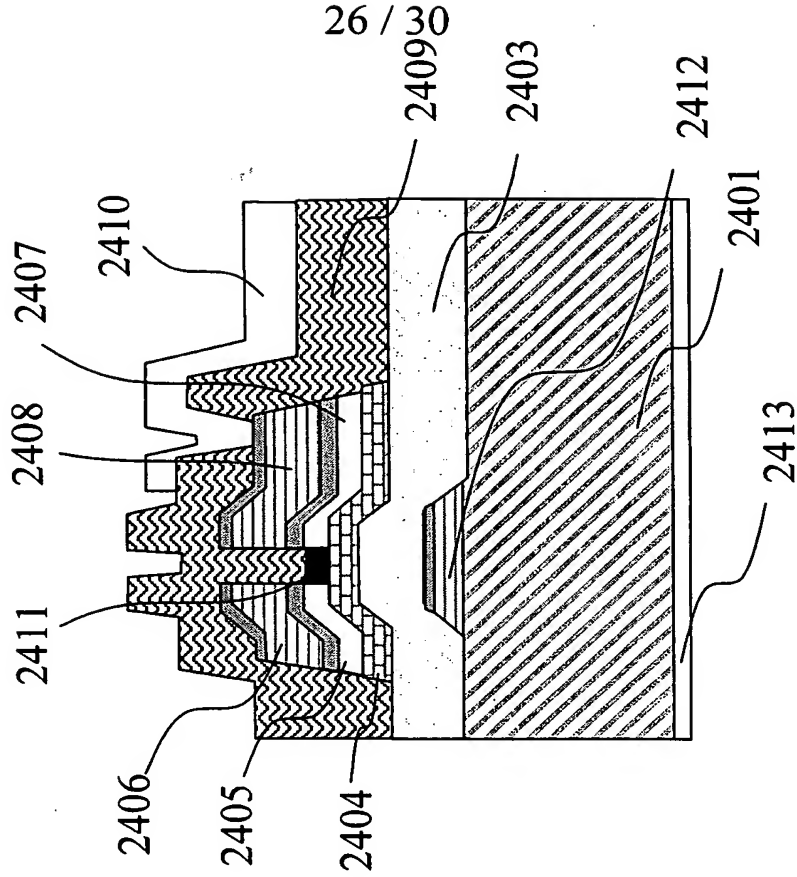


FIG. 24

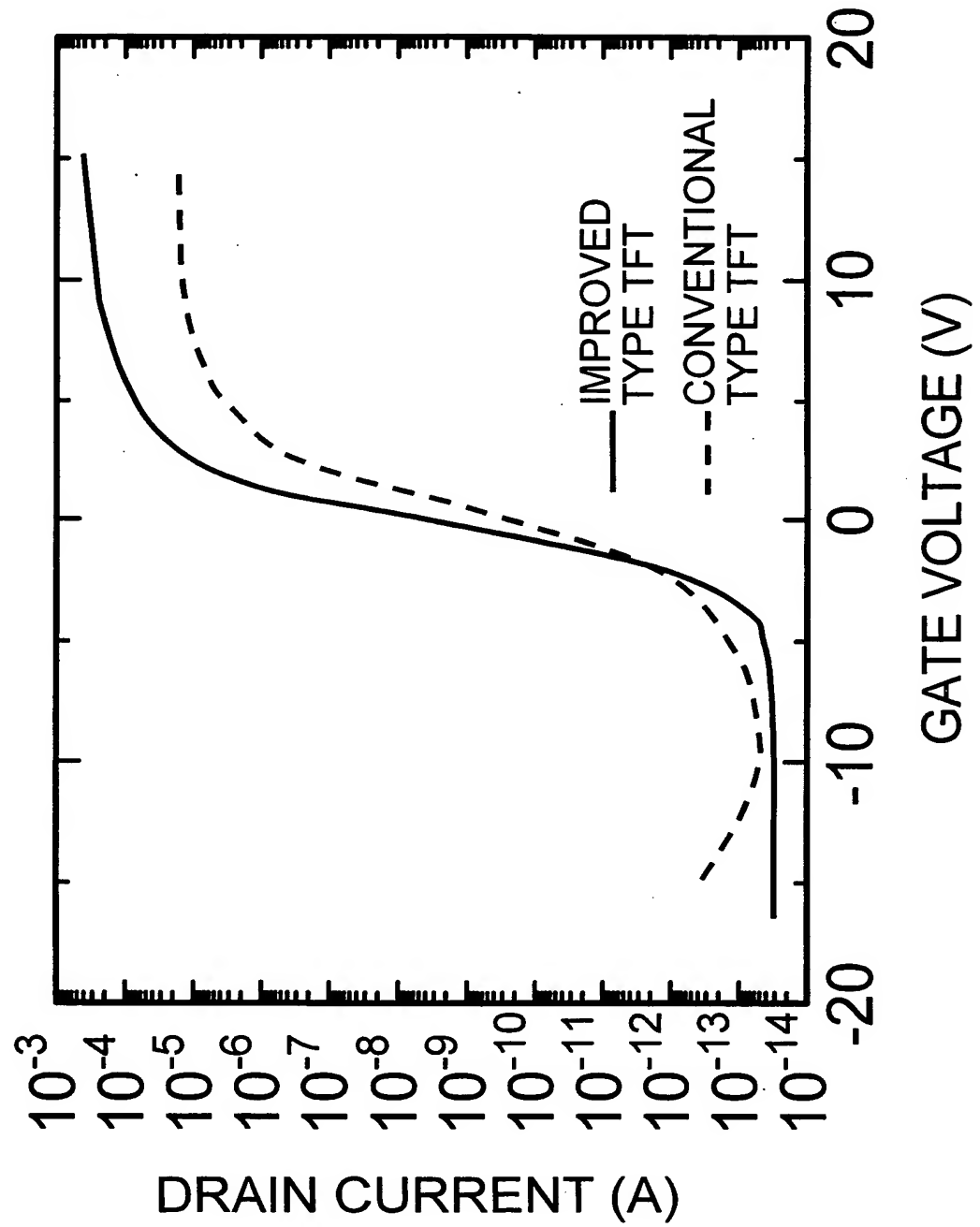


CONVENTIONAL  
DEVICE STRUCTURE



IMPROVED  
DEVICE STRUCTURE

FIG. 25



2612-



FIG. 27

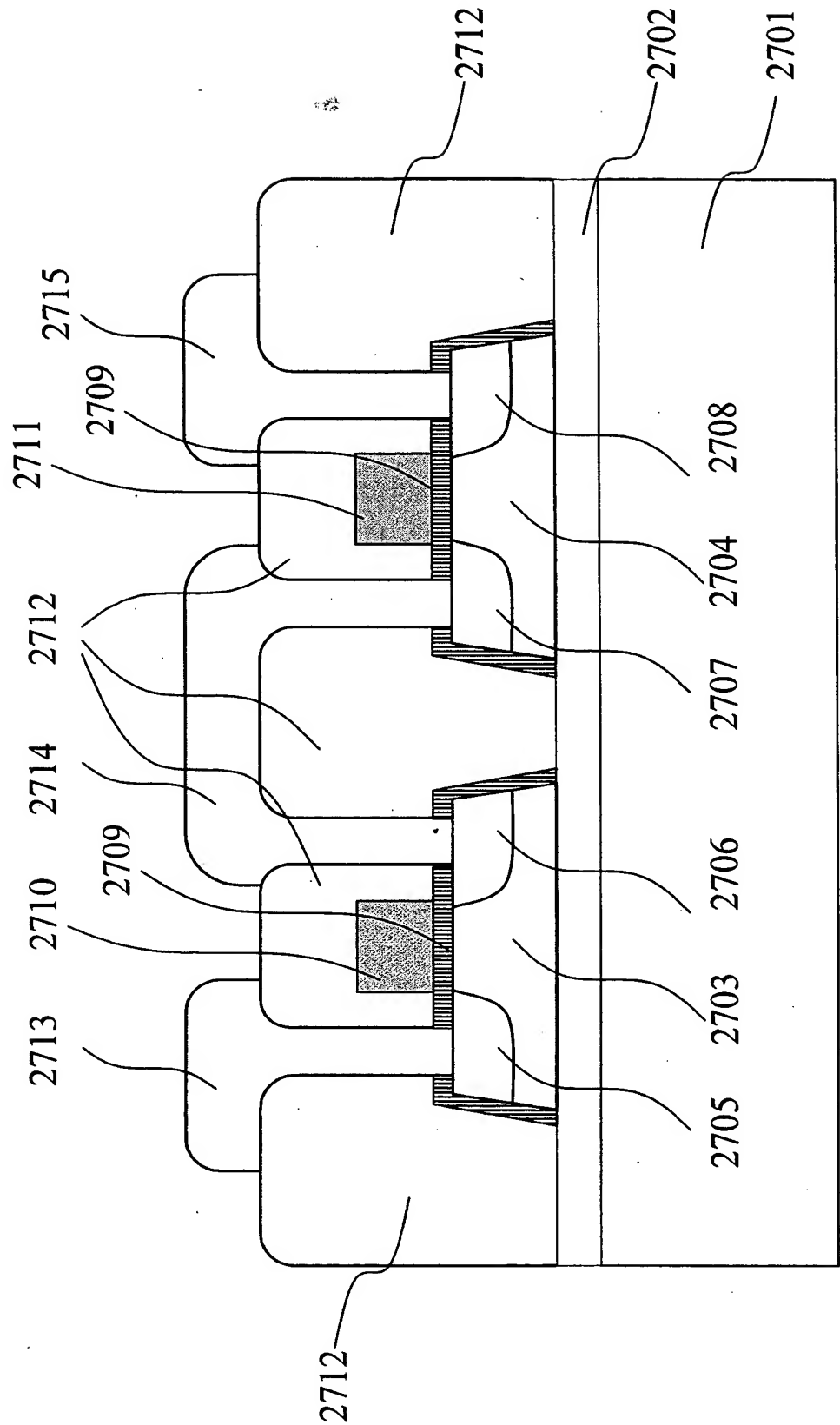


FIG. 28

